

Serial No. 10/509,219
Art Unit 2622

Docket PD020020
Customer No. 24498

Listing and Amendments to the Claims

This listing of claims will replace the claims now on file.

1. (currently amended) A signal processing apparatus having at least one cross-fading device for cross-fading signals, in which a plurality of inputs for receiving input signals are provided and in which an output signal can be tapped off at an output and having a control apparatus for controlling the cross-fading device, wherein the control apparatus has an input means for inputting a specific cross-fading function by a user for each input signal to be cross-faded and in that the cross-fading function assigned by inputting to each input signal to be cross-faded is written to a store and when selected is read from the store for a cross-fading operation.

Cancel Claim 2

3. (Currently amended) The signal processing apparatus as claimed in claim 1, the start time and the end time of the cross-fading function assigned to an input signal ~~can be~~ are defined within a cross-fading interval.

4. (Currently amended) The signal processing apparatus as claimed in claim 1, wherein the direction of the fading profile ~~can be~~ are chosen within the cross-fading interval.

5. (previously presented) The signal processing apparatus as claimed in claim 1, wherein a means for inputting a linear and/or nonlinear profile of the cross-fading function for each input signal is provided.

6. (Currently amended) The signal processing apparatus as claimed in claim 5, wherein the input signals ~~can be~~ are additively cross-faded in a manner dependent on defined assigned cross-fading functions.

7. (previously presented) The signal processing apparatus as claims in claim 1, the input means for inputting specific cross-fading functions has a graphical user interface.

Serial No. 10/509,219
Art Unit 2622

Docket PD020020
Customer No. 24498

8. (currently amended) The signal processing apparatus as claimed in claim 6, comprising a graphical user interface having

- a representation of the time base of the input signals to be cross-faded within the cross-fading interval and/or
- a representation of the profiles of the cross-fading functions of the input signals to be cross-faded within the cross-fading ~~of the input signals to be cross-faded within the cross-fading interval~~ and/or a representation of the additive cross-fading of the input signals to be cross-faded within the cross-fading interval.

9. (currently amended) A method for processing signals, in which a plurality of input signals are cross-faded in a control-dependent manner in order to generate an output signal, wherein each

- a specific cross-fading transfer function is inputted each by a user and assigned to one of the input signal to be cross-faded is assigned a specific cross-fading function with a graphical user interface,
- the cross-fading function assigned to each input signal is written to a store
- and in a cross-fading operation the cross-fading function assigned to each input signal is read out.